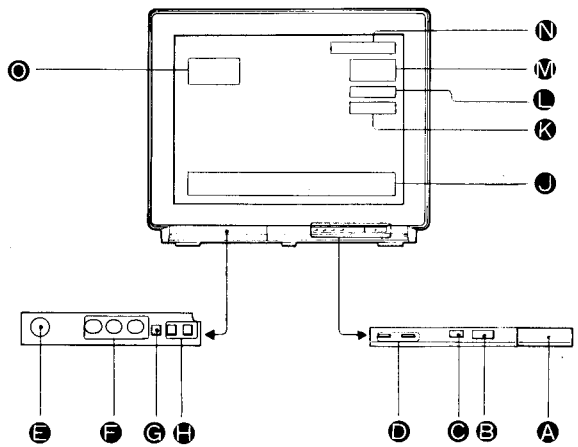
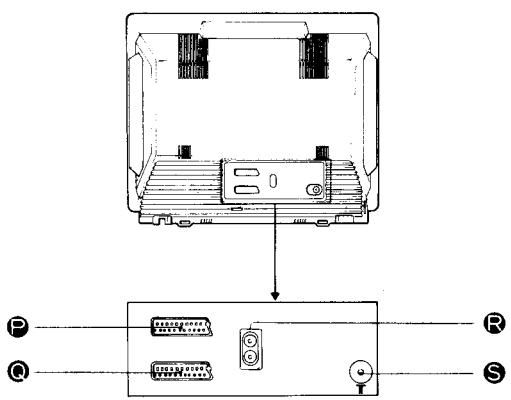
SONY

KV-X2532

MODEL

OWNER'S MANUAL





ON THE SET

A Power Switch ⏻
Use it to switch the set on and off. When you switch the set on, the programme number of the station tuned in will be indicated in the on-screen display (M) for some seconds. In case of short breaks of operation, you can switch the set on and off using the Remote Commander (See »CONTROLS ON THE REMOTE COMMANDER«).

B Remote control detector
(See »CONTROLS ON THE REMOTE COMMANDER«).

C ⏻ Standby/Reponse indicator
This indicator lights up when the TV set is in standby mode and it flashes each time the set receives signals from the Remote Commander.

D Stereo A/B indicators
During bilingual programmes one of the two indicators lights up, depending upon the selected channel **A** or **B**. When stereo programmes are broadcast both indicators light up. (See »CONTROLS ON THE REMOTE COMMANDER«).

Jacks and control panel (front of set)
The jacks and the control panel are situated behind a cover. Please press the arrow marking on the cover to open it.

E Headphones jack (stereo minijack)
Connect only stereo headphones.

F Input jacks
Video input jack (phono jack) **3** (yellow)
Audio input jacks (phono jacks) (red and white).

G Mode select button
Use this button to select either the channel select mode, volume adjustment or the input mode.

H Adjustment buttons +/–
Select at first the item to be adjusted using the Mode select button **G** (**P**: channel select mode), (volume) or (input mode), then adjust the item by pressing the + or – button.
You can also use these buttons to reset the picture and sound adjustments to the factory-set levels. For this purpose press both buttons simultaneously.

On-screen display
When you repeatedly press button 12 on the Remote Commander, the following information will be indicated on the screen in turn:

J Picture and sound adjustment items:
contrast, colour, brightness, bass, treble or balance and their respective levels; as well as mute, reset, space sound, loudness and NICAM indications, when the respective buttons are pressed.

When you press button 10 on the Remote Commander, the following information will be indicated on the screen:

K TV-System: I (normal UK broadcast system)

L Channel number

M Programme number or input mode;
1, , 2, 2, 3;

N Indication of the station name

O AV output indication; 1, 2, 3 or TV (see »CONTROLS ON THE REMOTE COMMANDER«).

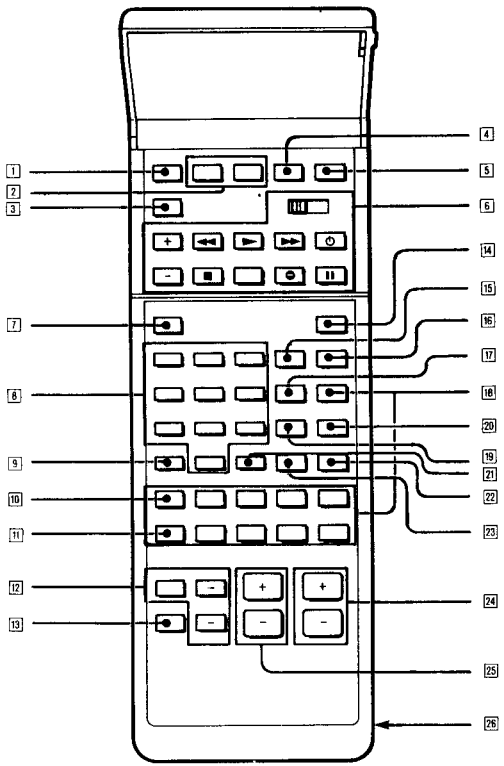
Connectors on the rear

P Euro-AV-connector 21-pin 2/2
For connecting a VTR, 8 mm video camera recorder, a video disc player or in general devices with an S-Video-output.

Q Euro-AV-connector 21-pin 1
For connecting a VTR, a computer etc. with RGB output.

R Audio-output-jacks (phono jacks)
For connecting audio equipment, e.g. an amplifier, so that the sound will be output at the audio equipment. In this case the volume is adjustable on the TV set.

S Aerial terminal



ON THE REMOTE COMMANDER
On the set there is a Remote Control detector Ⓑ, which receives the signals of the Remote Commander.

[1] **Preset-button** Used for selecting the Preset mode. See »TO PRESET CHANNELS«.

[2] **Tuning +/– buttons**
a) Preset mode: Used for tuning in stations in the Automatic Station Search: See »TO PRESET CHANNELS«.
b) TV-mode: Used for fine-tuning a station. See »ADDITIONAL FUNCTIONS«.

[3] **C₀₀ button (Clear)**
Used for clearing programme positions, so that the position will be skipped when the PROGR +/– buttons [24] are pressed. See »TO PRESET CHANNELS«.

[4] **◇ Store button:** Used for storing channels. See »TO PRESET CHANNELS«.

[5] **TV-system-select-button**
This button has no function.

[6] **Video selector and video operation buttons**
Used for operating Sony video equipment. For details see »OPERATING OTHER EQUIPMENT«.

[7] **Mute button**
By pressing this button the sound of the set will be switched off and by pressing it once more the sound will be restored.

[8] **Number buttons**
a) Used to select programme positions or to input channel numbers (in the preset mode).
b) If the set is in the standby mode, press one of the number buttons to switch it on.
c) After pressing the output select button the buttons 1–2 can be used to select the different output connectors.

[9] **-/-- Button**
In case of two digit numbers, press first this button and then the two respective number buttons [8].

[10] **Button for On-screen display**
By pressing this button, information about the station tuned-in will be indicated on the screen. The indications will disappear after some seconds with the exception of the programme number and label, which will stay on the screen until the button is pressed once again.

[11] **Time button**
In TV-mode: If teletext service is broadcast on the selected channel, press this button to display the current time on the screen and once again to make it disappear.

[12] **+/– Buttons for picture and sound adjustments**
a) TV-mode:
The picture and sound adjustments are stored as standard values. You have, however, the possibility to change them to your individual liking. Press the button repeatedly until the required item is indicated in the on-screen display: contrast, colour, brightness, hue (only for NTSC colour system), bass, treble or balance. You can adjust the settings by pressing the + or – button.
b) Preset-mode: Use these buttons to name a station. See »TO PRESET CHANNELS«.

[13] **→●← Reset-button**
By pressing this button the picture and sound adjustments are reset to the factory-set levels.

[14] **Standby-button**
Press this button to switch the set into standby-mode. You can switch it on again by pressing the TV-button [16] or one of the number buttons [8]. To return to the teletext mode, press [18] button. There will be a slight delay before the picture is restored.

Note

Use the Standby-button [14] only when switching the set off for a short period of time. If the set will not be used for a longer span of time, switch it off by using the Power switch Ⓐ.

[15] **Input-Select-Button**
Press this button to select the audio- or video-signals input at the various input connectors. With each pressing of the button a different connector is selected. The following indications will appear sequentially:
1 → (RGB) → 2 → 2 → 3
TV Mode

[16] **TV-Button**
When pressing this button the set returns from standby, video input- or teletext mode to the TV-mode.

[17] **Output-Select-Button**
Press this button to select the audio- or video signals to be output at the / connector.
With each pressing of the button a different output source will be selected. The following indications appear sequentially:
1, 2, 3, TV

[18] **Teletext operation buttons**
These buttons are used for teletext operation. See »VIEWING TELETEXT«.

[19] **Loudness button**
By pressing this button the high and low tones will be emphasized. Press the button again to restore the normal sound. The indications on the screen will be (ON) or (OFF).

[20] **A/B button**
To select the audio channel of bilingual programmes. Usually the dubbed version is broadcast on channel **A** and the original sound is broadcast on channel **B.**
In the video input mode (Euro-AV-connectors) this possibility of selecting channels also exists for stereo VTR connection.

[21] **C (Channel select) button**
Use this button for direct channel tuning in the TV-mode. See »ADDITIONAL FUNCTIONS«.

[22] **This button has no function on this set.**

[23] **Space sound button**
Press this button to obtain special acoustic effects. Press it again to restore the normal sound. The indications on the screen will be (on) or (off).

[24] **PROGR +/– buttons**
TV-mode: Use these buttons to scan the available programmmes up- or downwards.
Preset mode: Use these buttons to scan the available channels up or downwards.

[25] **+/– buttons for adjusting the volume**

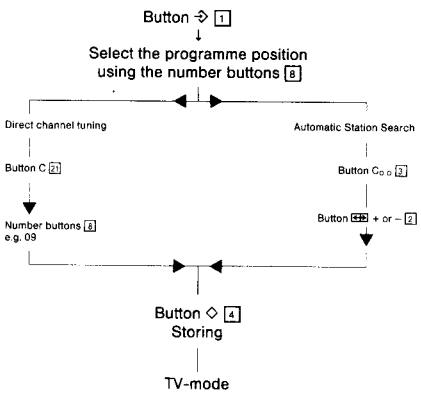
[26] **Battery compartment (on the rear)**

1-2. TO PRESET CHANNELS

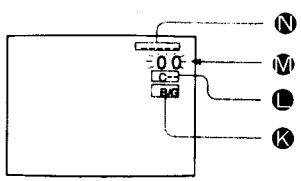
Use the buttons on the Remote Commander for presetting. In total there are 60 programme positions at your disposal for storing channels.
There are two different ways of tuning in channels:

1. Direct Channel Tuning
If you know the channel number of a station you can input it directly.

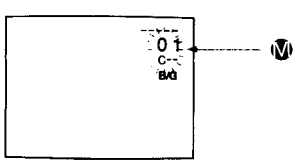
2. Automatic Station Search
The set searches automatically for stations.


Button ⇨ 1
Select the programme position using the number buttons 8
Direct channel tuning
Automatic Station Search
Button C 21
Button C○○ 3
Number buttons 8 e.g. 09
Button ◀▶ + or – 2
Button ◇ 4 Storing
TV-mode

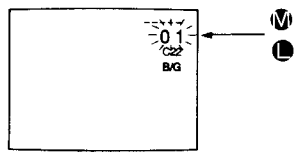
1. Direct Channel Tuning
1. Press the Preset button ⇨ 1. You are now in the preset mode of the set. The programme number in the on-screen display (M) starts blinking.



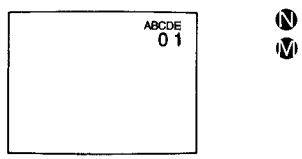
2. With the buttons PROGR +/– 24 or the number buttons 8 you can select the programme position. In case of two-digit numbers, first the button -/-- 9 and then the two number buttons.



3. Press button **C** 21. The indication »C« and the channel number start blinking in the display (L). Select the channel number with two digits (e.g. 22) using the number buttons 8



4. Press the button ◇ 4 in order to store the channel and to return to the TV-mode.



If you want to store further channels, repeat the steps 1 to 4.

2. Automatic Station Search

1. Press button ⇨ 1. You are now in the preset mode of the set. The programme number in the on-screen display (M) starts blinking.

2. With the PROGR buttons +/– 24 or the number buttons 8 you can select the programme position. In case of two-digit numbers, first press button -/-- 9 and then the two number buttons.

3. If there is already a stored station on the selected programme position, press button **C** 3.

4. Press one of the tuning buttons ◀▶ +/– 2 to start the station search. The search will be interrupted as soon as a station is tuned in. Press the tuning buttons repeatedly until you find the desired station.

5. If you have found the desired station, press button ◇ 4. Now the selected station is stored and you are back in the TV-mode.

6. If you want to store further stations, repeat the steps 1-5.

Skipping of unused programme positions
Using button **C○○** 3 you have the possibility to skip unused programme positions (e.g. without a stored station), when pressing the buttons PROGR +/– 24 on the Remote Commander.

1. Press button ⇨ 1. You are now in the preset mode of the set.

2. Use the buttons PROGR +/– 24 to select a programme position, which you want to have skipped.

3. Press button **C○○** 3.

4. Press button ◇ 4 to store the cleared programme position and to return to the TV-mode.

The skipped programme position still appears when you press the number buttons 8 on the Remote commander.

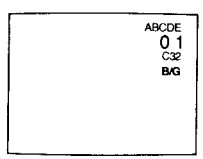
If you want to name a station
After presetting the stations you have the possibility to name them. The selected name will appear in the on-screen display (N).

1. Press the preset button ⇨ 1.

2. Press the button ABC 12. The first column of the station name starts blinking. Press either button + or – 12 and select the desired character (number or letter, 0-9, A-Z, or – for a blank space).

3. Press button ABC 12 again. Now the second column starts blinking and you can select the second character.
In this way five characters can be selected.

4. Press button ◇ 4 to store the station name.



Notes

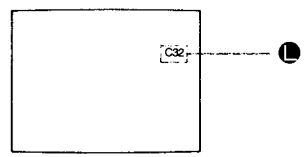
- If you press the preset button ⇨ 1 instead of button ◇ 4 the set will return to the TV-mode without storing the channels.
- If you press a wrong programme or a channel number, an »x« will be displayed on the screen.
- When pressing two number buttons, the second number button should be pressed within 5 seconds after the first one, otherwise the operation will be cancelled.

ADDITIONAL FUNCTIONS

Direct Channel Tuning in the TV-mode
You have the possibility to tune in channels directly when the set is in the TV-mode without storing these channels.
Example: If you tune in channel number 32 and then switch the set off or change the programme position, this channel will be cancelled.

1. Press the button **C** 21. In the display (L) the indication »C« will appear.

2. Select the channel number with two digits using the number buttons 8 (e.g. for channel 4 press first 0, then 4). The indication on the screen will disappear within some seconds.



Manual Fine Tuning
If the reception of a channel is not satisfactory, you have the possibility to deactivate the Automatic Fine Tuning, which is usually in operation during presetting in order to tune in the best possible picture.
Press one of the tuning buttons ◀▶ +/– 2 to fine-tune a channel. The Automatic Fine Tuning will be restored when the respective programme position is pressed once again.

The set is capable of receiving NICAM, which is a newly developed digital stereo broadcast system.
NICAM programmes are broadcast in three ways: stereo, bilingual or monoaural sound besides the regular (FM mono) sound, and you can select the sound you want to hear by pressing the A/B button [20].
Each time the button is pressed, the sound changes sequentially, as indicated with arrows in the following chart.

NICAM sound being broadcast	The sound you hear (Select with the A/B button [20].)
Stereo	Stereo → Regular → Stereo (etc.)
Bilingual	A → B → Regular → A (etc.)
Monoaural	A → Regular → A (etc.)

Whenever a NICAM broadcast is received, the ⊳⋈◁ indication appears on the screen and disappears after a few seconds.

When the NICAM programme ends, the ⊳⋈◁ indication appears for a few seconds.

The sound being broadcast	The selected sound	ⓓ indicators Ⓓ		NICAM indication on the screen
		A	B	
NICAM + Regular	Stereo	x	x	x
	A	x	o	
	B	o	x	
	Regular	o	o	
Regular	Regular	o	o	o

x means that the indicator Ⓓ lights up or the indication appears.

o means that the indicator does not light up or the indication is not displayed.

1-3. VIEWING TELETEXT

To view the teletext service, use the Remote Commander.
The buttons for teletext operation are indicated in green.

Operation

1 Select the TV channel for the desired teletext service. If the signal is weak, teletext errors often occur.
2 Press ▣/◩ (TEXT/MIX) to display the teletext service.
3 Key in the three digits of the desired page using the number buttons. If an error is made, complete the three-digit sequence by keying in any digit. Then, re-enter the correct page number.

The requested teletext page is displayed.

To return to the TV mode, press TV [16] on the Remote Commander.

The teletext service can be displayed directly from the standby mode by pressing ▣/◩ (TEXT/MIX).

To receive the teletext service of a different TV channel
1 Press TV [16] to return to the TV mode.
2 Select the desired TV channel.
3 Press ▣/◩ (TEXT/MIX).

Note

Buttons not referred to in the text do not operate.

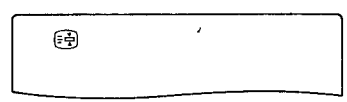
To request the index page
Press ⓘ (INDEX).
If the necessary signal is not being broadcast, page 100 is displayed.

To access the next or preceding page
Press ⊳⊳ (PAGE +) or ⊲⊲ (PAGE –).

To superimpose the teletext display on the picture (MIX)
Press ▣/◩ twice from the TV mode.
Press ▣/◩ again to return to the TEXT display.

To suppress the teletext display so that the picture is restored
Press ⓧ (text clear). This button can be operated from both the text and mix displays.

To prevent a teletext page from being updated/changed
Press ⊕ (HOLD). The HOLD symbol appears on the screen.
To resume normal teletext reception, press ▣/◩ (TEXT/MIX).

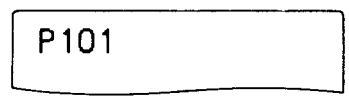


To resume normal teletext reception, press ▣/◩.

To enlarge the teletext display
Press ⊡ once to enlarge the upper half of the display; press again to enlarge the lower half of the display. And press again to return to the normal display.

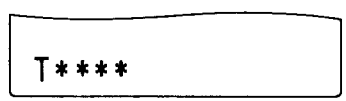
To reveal concealed information such as answers to a quiz
Press ⓡ (REVEAL).
Press again to conceal the answers.

To watch the TV programme while waiting for a requested page to be displayed
1 Request the new page.
2 Press ⓧ to watch the TV programme.
The requested page number and other data appear at the top of the screen. When the requested page has been captured, the page number is displayed in the top left hand corner of the screen.

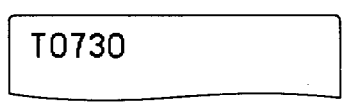


To view this page, press ▣/◩.

To have a requested page displayed at a pre-determined time
1 Request a time coded page (e.g. alarm page).
2 Press ⓣ (TP ON).
" T✱✱✱✱ " will appear at the bottom of the screen.



3 Enter your request time with the number buttons, using four digits. For example, 07.30:



To watch the TV programme until the requested time, press ⓧ (TEXT CL). At the requested time, the page number will be displayed at the bottom of the screen.
To view this page, press ▣/◩.
To cancel the request, first ensure that the teletext page is displayed, then press ⓐ (TP OFF).

FASTEXT Operation

FASTEXT Teletext enables you to access pages quickly and conveniently with one key operation.

When a FASTEXT page is broadcast a colour coded menu will appear at the bottom of the screen. Each coloured prompt relates to the coloured keys on the Remote Commander. Pressing one of these will select the page described by the prompt.

Selection may also be made by entering the three digit page number in the normal way.

Correct FASTEXT operation relies on the necessary signals being transmitted by the Broadcasting Authorities. It is possible that some Broadcasters will not support this transmission.

If FASTEXT is not transmitted, the decoder will operate as outlined above.

1-4. OPERATING OTHER EQUIPMENT

To view the input picture
Press the ⊕ 15 button repeatedly until the desired input signal indication appears on the screen.

⊕ **1:** to view the audio and video signal input through the ⊕ **1** connector on the rear.

⊕ **1:** to view the RGB signal (i.e. from a computer, etc.) input through the ⊕ **1** connector.

⊕ **2:** to view the audio and video signal input through the ⊕ **2/S** connector on the rear.

S **2:** to view the S video signal (from a VTR equipped with an S video output) input through the ⊕ **2/S** connector.

⊕ **3:** to view the audio and video signal input through the ⊕ **3** connectors and the audio input jacks ⊕ (yellow, white and red) on the front.

You can also select the desired input mode using the buttons on the front of the set. Select the ⊕ mode with the mode select (P → ◿ → ⊕) button ⓒ then press +/− button.

To return to the TV mode, press the TV-button 16.

To select the signal to be output from the ⊕ 2/S connector
Press the ⊕ button 17 repeatedly until the desired output source is indicated on the screen:

1 ⊕: The audio and video signal input through the ⊕ **1** connectors is output from the ⊕ **2/S** connector.

2 ⊕: The audio and video signal input through the ⊕ **2/S** connector is output from the ⊕ **2/S** connector.

3 ⊕: The audio and video signal input through the ⊕ **3** connectors is output from the ⊕ **2/S** connector.

TV ⊕: The audio and video signal input through the ⊤ aerial terminal (i.e. usually the TV signal) is output from the ⊕ **2/S** connector.

The indication will disappear after a few seconds.

Note

The TV-signal is always output at the EURO-AV connector ⊕ **1.**

To operate Sony video equipment
The video operation buttons 6 on the Remote Commander can operate certain VTRs and video disc players manufactured by Sony.

1. Switch the video selector to the desired position.
VIDEO 1: to operate Sony Betamax VTR and SLV 202 VHS.
VIDEO 2: to operate Sony 8 mm VTR.
VIDEO 3: to operate Sony VHS VTR.
MDP: to operate Sony video disc player including a multi disc player.

2. Press the operation button(s) to start operation.
PROGR +/−: to select the desired programme on the VTR.

▶ : to start playback, or to release the pause mode

■ : to stop the tape or the disc

◀◀ : to rewind the tape from stop mode or to rapidly go back to the desired position on the disc or tape from playback mode

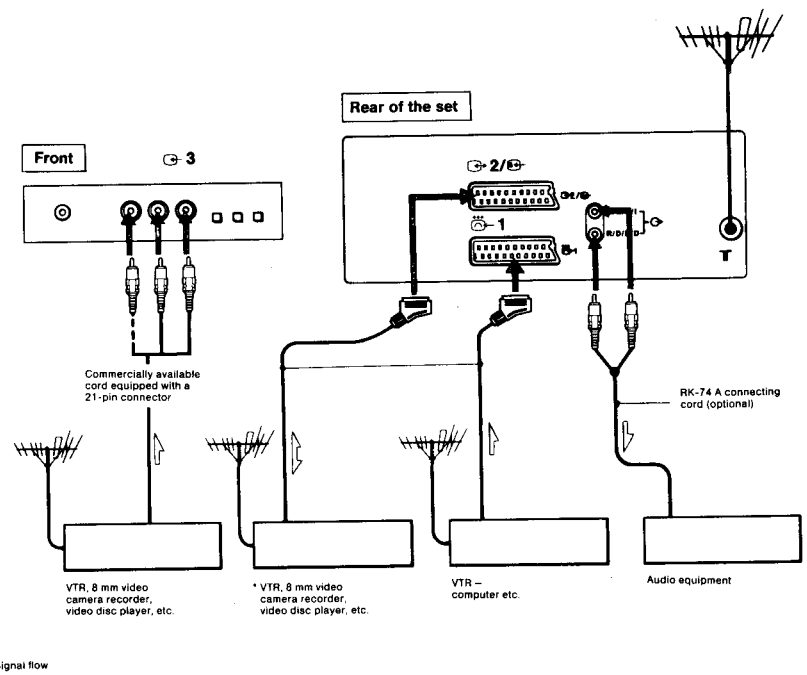
▶▶ : to fast forward wind from stop mode or rapidly advance the tape or disc to the desired position from playback mode

● : to start recording on the VTR
Be sure to press this button and the one on the right simultaneously

⏻ : to switch the video equipment on and off

■■ : to stop the tape or the disc temporarily (pause)
Press again to release pause mode

1-5. CONNECTING OTHER EQUIPMENT


Rear of the set
Front
⊕ 3
⊕ 2/S
⊕ 1
Commercially available cord equipped with a 21-pin connector
RK-74 A connecting cord (optional)
VTR, 8 mm video camera recorder, video disc player, etc.
* VTR, 8 mm video camera recorder, video disc player, etc.
VTR – computer etc.
Audio equipment
Signal flow

* Connect the S video output of the VTR, etc. here.

Notes

- It is also possible to connect a VTR using the ⊤ terminal. In this case, connect the aerial to the aerial terminal of the VTR.
- Move the VTR away from the TV if the picture or the sound is distorted.
- Computers which have RGB output only can be connected to the ⊕ **1** input connector.

S video input (Y/C input) S
Video signals may be separated into Y (luminance or brightness) and C (chrominance) signals.
Usually these two signals are combined in a VTR and output as one signal, and supplied to a TV. Separation of the Y and C signals prevents them from interfering with one another, thereby improving picture quality (especially in luminance). This set is equipped with a S video input through which these separated signals can be input directly.
Connect the S video output jack on the VTR to the S video input on this set.

Note: Not all VTR's are equipped with S video output capability. (Refer to VTR operating manual.)